CLAIMS

What is claimed is:

1	1.	A platform comprising:	
2	a processor; and		
3	a memory coupled to the processor, the memory including an isolated memory		
4	area containing a file checker executable by the processor, the file checker including (i) a		
5	file analyzer to perform a scan operation on a file to produce a scanning result and (ii) a		
6	signature generator to produce a digital signature chain including a digital signature		
7	having the scanning result.		
1	2.	The platform of claim 1, wherein the scan operation by the file checker is a	
2	virus detection function.		
1	3.	The platform of claim 1 wherein the incoming file is prevented from being	
2	executed if t	he verified digital signature chain indicated an unacceptable file integrity.	
1	4.	The platform of claim 1, wherein the incoming file is accessed if the	
2	verified digi	tal signature chain indicates acceptable file integrity.	
1	5.	The platform of claim 1 further comprising a first control unit coupled to	
2	both the processor and the memory.		
1	6.	The platform of claim 5 further comprising a second control unit coupled	
2	to the first control unit and a token bus interface.		
1	7.	The platform of claim 6 further comprising a non-volatile memory coupled	
2	to the second control unit		

8.

to the second control unit.

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The platform of claim 6 further comprising input/output devices coupled

1	9.	The platform of claim 2 wherein the file analyzer is one of a virus detector	
2	an intrusion detector, and a file integrity checker.		
1	10.	The platform of claim 1 wherein the signature generator comprises:	
2	an en	eryptor to encrypt the scanning result using a signature key; and	
3	a tim	e stamper coupled to the encryptor to time stamp the encrypted result using a	
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1	11.	The apparatus of claim 10 wherein the time indicator is one of a calendar	
2	time and a version identifier of the scanner.		
1	12.	The apparatus of claim 1 wherein the file is code.	
1	13.	A method comprising:	
2	deter	mining whether a digital signature chain accompanies a file to be accessed;	
3	and		
4	verif	ying the digital signature chain of the file by determining (i) whether the file	
5	has an acceptable file integrity, and (ii) whether each signatory providing the digital		
6 signature chain is authorized.			
1	14.	The method of claim 13 further comprising:	
2	precluding access to the file if the file has an unacceptable file integrity.		
1	15.	The method of claim 14 further comprising:	
2	prec	luding access to the file if at least one signatory of the digital signature chain	
3	is unauthorized.		
1	16.	The method of claim 13, wherein prior to verifying the digital signature	
2	chain, the method further comprising:		
3	entering into isolated execution mode if the file does not have a corresponding		
4	digital signature chain:		

5	analyzing an integrity of the file; and		
6	issuing the digital signature chain if the file has an acceptable file integrity.		
1	17. The method of claim 16 further comprising:		
2	issuing the digital signature chain with an indication that the file integrity is		
3	unacceptable if the integrity of the file is analyzed and determined to be unacceptable.		
1	18. The method of claim 13 further comprising:		
2	opening the file if the verified digital signature chain indicates an acceptable file		
3	integrity; and		
4	refusing to open the file if the verified digital signature chain indicates an		
5	unacceptable file integrity.		
1	19. A computer program embodied in a processor readable medium and		
2	executable by a processing unit, comprising:		
3	code for determining whether a digital signature chain accompanies a file to be		
4	accessed; and		
5	code for verifying the digital signature chain of the file by determining (i) whether		
6	the file has an acceptable file integrity, and (ii) whether each signatory providing the		
7	digital signature chain is authorized.		
1	20. The method of claim 19 further comprising:		
2	code for precluding access to the file if the file has an unacceptable file integrity.		
1	21. The method of claim 19 further comprising:		
2	code for precluding access to the file if at least one signatory of the digital		
3	signature chain is unauthorized.		